

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:**

Application Serial Number: 10/564,849  
Source: IFwp  
Date Processed by STIC: 1/30/06

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/564,849

DATE: 01/30/2006  
TIME: 15:02:56

Input Set : A:\ARTHP116US.txt  
Output Set: N:\CRF4\01302006\J564849.raw

3 <110> APPLICANT: Mondobiotech Laboratories Anstalt  
5 <120> TITLE OF INVENTION: Substances with the same biological activity as Vasoactive  
6 Intestinal Peptide for treating interstitial lung infections  
8 <130> FILE REFERENCE: ARTHP116US  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/564,849  
C--> 10 <141> CURRENT FILING DATE: 2006-01-13  
10 <150> PRIOR APPLICATION NUMBER: CH 01229/03  
11 <151> PRIOR FILING DATE: 2003-07-14  
13 <160> NUMBER OF SEQ ID NOS: 14  
15 <170> SOFTWARE: PatentIn version 3.3  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 28  
19 <212> TYPE: PRT  
20 <213> ORGANISM: Homo sapiens  
22 <400> SEQUENCE: 1  
24 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln  
25 1 5 10 15  
28 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn  
29 20 25  
32 <210> SEQ ID NO: 2  
33 <211> LENGTH: 38  
34 <212> TYPE: PRT  
35 <213> ORGANISM: Homo sapiens  
37 <400> SEQUENCE: 2  
39 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln  
40 1 5 10 15  
43 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys  
44 20 25 30  
47 Gln Arg Val Lys Asn Lys  
48 35  
51 <210> SEQ ID NO: 3  
52 <211> LENGTH: 27  
53 <212> TYPE: PRT  
54 <213> ORGANISM: Homo sapiens  
56 <400> SEQUENCE: 3  
58 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln  
59 1 5 10 15  
62 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu  
63 20 25  
66 <210> SEQ ID NO: 4  
67 <211> LENGTH: 10  
68 <212> TYPE: PRT  
69 <213> ORGANISM: Homo sapiens

ppr 2-4

**Does Not Comply  
Corrected Diskette Needed**

RAW SEQUENCE LISTING DATE: 01/30/2006  
 PATENT APPLICATION: US/10/564,849 TIME: 15:02:57

Input Set : A:\ARTHP116US.txt  
 Output Set: N:\CRF4\01302006\J564849.raw

71 <400> SEQUENCE: 4  
 73 Arg Lys Gln Met Ala Val Lys Lys Tyr Leu  
 74 1 5 10  
 77 <210> SEQ ID NO: 5  
 78 <211> LENGTH: 23  
 79 <212> TYPE: PRT  
 80 <213> ORGANISM: Homo sapiens  
 83 <220> FEATURE:  
 84 <221> NAME/KEY: MISC\_FEATURE  
 85 <222> LOCATION: (4)..(8)  
 86 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
 88 <400> SEQUENCE: 5  
 W--> 90 Phe Thr Asp Xaa Xaa Xaa Xaa Arg Lys Gln Met Ala Val Lys Lys  
 91 1 5 10 15  
 94 Tyr Leu Asn Ser Ile Leu Asn  
 95 20  
 98 <210> SEQ ID NO: 6  
 99 <211> LENGTH: 23  
 100 <212> TYPE: PRT  
 101 <213> ORGANISM: Homo sapiens  
 103 <400> SEQUENCE: 6  
 105 Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln Met Ala Val Lys Lys  
 106 1 5 10 15  
 109 Tyr Leu Asn Ser Ile Leu Asn  
 110 20  
 113 <210> SEQ ID NO: 7  
 114 <211> LENGTH: 18  
 115 <212> TYPE: PRT  
 116 <213> ORGANISM: Homo sapiens  
 118 <400> SEQUENCE: 7  
 120 Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys  
 121 1 5 10 15  
 124 Tyr Leu  
 128 <210> SEQ ID NO: 8  
 129 <211> LENGTH: 23  
 130 <212> TYPE: PRT  
 131 <213> ORGANISM: Homo sapiens  
 134 <220> FEATURE:  
 135 <221> NAME/KEY: MISC\_FEATURE  
 136 <222> LOCATION: (4)..(5)  
 137 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
 139 <220> FEATURE:  
 140 <221> NAME/KEY: MISC\_FEATURE  
 141 <222> LOCATION: (9)..(13)  
 142 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
 144 <400> SEQUENCE: 8  
 W--> 146 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Arg Lys Gln  
 147 1 5 10 15  
 150 Met Ala Val Lys Lys Tyr Leu

Occur<sup>ing</sup>

Occur<sup>ing</sup>

same leu

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/564,849

DATE: 01/30/2006  
TIME: 15:02:57

Input Set : A:\ARTHP116US.txt  
Output Set: N:\CRF4\01302006\J564849.raw

151 20  
 154 <210> SEQ ID NO: 9  
 155 <211> LENGTH: 23  
 156 <212> TYPE: PRT  
 157 <213> ORGANISM: Homo sapiens  
 159 <400> SEQUENCE: 9  
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 162 1 5 10 15  
 163 Met Ala Val Lys Lys Tyr Leu  
 166 20  
 169 <210> SEQ ID NO: 10  
 170 <211> LENGTH: 23  
 171 <212> TYPE: PRT  
 172 <213> ORGANISM: Homo sapiens  
 174 <400> SEQUENCE: 10  
 176 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln  
 177 1 5 10 15  
 180 Met Ala Val Lys Lys Tyr Leu  
 181 20  
 184 <210> SEQ ID NO: 11  
 185 <211> LENGTH: 28  
 186 <212> TYPE: PRT  
 187 <213> ORGANISM: Homo sapiens  
 190 <220> FEATURE:  
 191 <221> NAME/KEY: MISC\_FEATURE  
 192 <222> LOCATION: (4)..(5)  
 193 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
 195 <220> FEATURE:  
 196 <221> NAME/KEY: MISC\_FEATURE  
 197 <222> LOCATION: (9)..(13)  
 198 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
 200 <220> FEATURE:  
 201 <221> NAME/KEY: MISC\_FEATURE  
 202 <222> LOCATION: (24)..(28)  
 203 <223> OTHER INFORMATION: X at positions 24 - 27 may be any naturally occurring amino acid residue: X at position 28 may be H or any naturally occurring amino acid residue  
 204 207 <400> SEQUENCE: 11  
 W--> 209 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Xaa Arg Lys Gln  
 210 1 5 10 15  
 213 Met Ala Val Lys Lys Tyr Leu Xaa Xaa Xaa Xaa Xaa Xaa  
 214 20 25  
 217 <210> SEQ ID NO: 12  
 218 <211> LENGTH: 38  
 219 <212> TYPE: PRT  
 220 <213> ORGANISM: Homo sapiens  
 223 <220> FEATURE:  
 224 <221> NAME/KEY: MISC\_FEATURE  
 225 <222> LOCATION: (4)..(5)

Xaa can only represent a single amino acid, nothing else

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/564,849

DATE: 01/30/2006  
TIME: 15:02:57

Input Set : A:\ARTHP116US.txt  
Output Set: N:\CRF4\01302006\J564849.raw

226 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
228 <220> FEATURE:  
229 <221> NAME/KEY: MISC\_FEATURE  
230 <222> LOCATION: (9)..(13)  
231 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
233 <220> FEATURE:  
234 <221> NAME/KEY: MISC\_FEATURE  
235 <222> LOCATION: (24)..(38)  
236 <223> OTHER INFORMATION: X is any naturally occurring amino acid residue  
238 <400> SEQUENCE: 12  
W--> 240 His Ser Asp Xaa Xaa Phe Thr Asp Xaa Xaa Xaa Xaa Arg Lys Gln  
241 1 5 10 15  
244 Met Ala Val Lys Lys Tyr Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
245 20 25 30  
248 Xaa Xaa Xaa Xaa Xaa Xaa  
249 35  
252 <210> SEQ ID NO: 13  
253 <211> LENGTH: 3  
254 <212> TYPE: PRT  
255 <213> ORGANISM: Homo sapiens  
257 <400> SEQUENCE: 13  
259 Phe Thr Asp  
260 1  
263 <210> SEQ ID NO: 14  
264 <211> LENGTH: 3  
265 <212> TYPE: PRT  
266 <213> ORGANISM: Homo sapiens  
268 <400> SEQUENCE: 14  
270 His Ser Asp  
271 1

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 01/30/2006  
PATENT APPLICATION: US/10/564,849 TIME: 15:02:58

Input Set : A: \ARTHP116US.txt  
Output Set: N: \CRF4\01302006\J564849.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; Xaa Pos. 4,5,6,7,8  
Seq#:8; Xaa Pos. 4,5,9,10,11,12,13  
Seq#:11; Xaa Pos. 4,5,9,10,11,12,13,21  
Seq#:12; Xaa Pos. 4,5,9,10,11,12,13,21  
Seq#:12; Xaa Pos. 37,38

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/564,849

DATE: 01/30/2006

TIME: 15:02:58

Input Set : A:\ARTHP116US.txt

Output Set: N:\CRF4\01302006\J564849.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
L:209 M:341 W: (46) "n". or "Xaa" used, for SEQ ID#:11 after pos.:0  
M:341 Repeated in SeqNo=11  
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
M:341 Repeated in SeqNo=12